

09/896301

06/29/01

*
Incorrect
parent
NO.

[illegible]

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	continuation of 09/092,160
		Filing Date	
		First Named Inventor	Daniel J. Cosgrove
		Group Art Unit	1652
		Examiner Name	Saidha, T.
		Attorney Docket Number	P04666US7
Sheet	2	of	3

PTO
09/092,160

06/29/01

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JR	1	Bayer, E.A., et al., Current Opinion in Structural-Biology 8:548-557 (1998)	
	2	Broadwater, et al., "Zea m1, the maize homolog of the allergen-encoding Lol pl gene of rye grass", Gene. 131:227-230 (1993)	
	3	Cleland, R.E., Planta 170:379-385 (1987)	
	4	Cosgrove, D.J. et al. "Group I allergens of grass pollen as cell wall-loosening agents", Proc. Natl. Acad. Sci. USA 94:6559-6564 (1997)	
	5	Cosgrove, et al., "Role of expansin in cell enlargement of oat coleoptiles", Plant Physiol. 103:1321-1328 (1993)	
	6	Cosgrove, "Characterization of long-term extension of isolated cell walls from growing cucumber hypocotyls", Planta vol. 177:121-130 (1989)	
	7	Crowell, "Cytokinin regulation of a soybean pollen allergen gene", Plant Mol. Bio. 25:829-835 (1994)	
	8	Deutscher, M.P., Academic Press 1990, Guide to Protein Purification, pp. 174-193	
	9	Esch, et al., "Identification and Localization of Allergenic Determinants on Grss Group I Antigens Using Monoclonal Antibodies", J. Imm. 142(1):179-184 (1989)	
	10	Fry, Stephen C., Current Biology 4(9):815-817 (1994)	
	11	Fry, Stephen C., Physiologia Plantarum, 75:532-536 (1989)	
	12	Griffith, et al., "Cloning and sequencing of Lol, pl, the major allergenic protein of rye-grass pollen", FEBS 09407, vol 279(2):210-215 (1991)	
	13	Heslop-Harrison, et al., "The pollen-stigma interaction in the grasses", Acta Bot. Neercl. 34(2):193-211 (1985)	
	14	Heslop-Harrison, et al., "The pollen-stigma interaction in the grasses", Acta Bot. Neercl. 33(1):81-99 (1984)	
	15	Knox, et al., "Environmental and molecular biology of pollen allergens", Trends in Plant Science, Vol 1(5) 156-164 (1996)	
	16	Knox, et al., "Pollen allergens: development and function", Sex Plant Report 9:318-323 (1996)	
	17	Li, Z-C et al., Planta 191:349-356 (1993)	
	18	McQueen-Mason et al., "Disruption of hydrogen bonding between plant cell wall polymers by proteins that induce wall extension", Proc. Natl. Acad. Sci. USA, 9:6574-6578 (1994)	
	19	McQueen-Mason et al., "Expansin Mode of Action on Cell Walls", Plant Physiol. 107:87-100 (1995)	
	20	McQueen-Mason et al., Planta 190:327-331 (1993)	
	21	McQueen-Mason et al., "Two endogenous proteins that induce cell wall extension in plants", The Plant Cell 4:1425-1433 (1992)	
	22	Merriam-Webster's Collegiate Dictionary, tenth ed., pp. 1236, 1027	
	23	Nishitani, K. and Tominaga R., J. Biol. Chem 267(29):21058-21064 (1992)	
	24	Patel, Praful, in "Biotechnology Applications and Research", eds., Cheremisinoff, P.N. and Ouellette, R.P. pp. 534-562, Technomic Publishing Company, Inc., Lancaster, PA, (1985)	
JR	25	Perez, et al., "cDNA cloning and immunological characterization of the rye grass allergen Lol p I", J. of Biol. Chem., vol 265(27):16210-16215 (1990)	

T. Saidha

11/21/02

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Sheet 3 of 3		Complete if Known	
		Application Number	continuation of 09/092,160
		Filing Date	
		First Named Inventor	Daniel J. Cosgrove
		Group Art Unit	1652
		Examiner Name	Saidha, T.
		Attorney Docket Number	P04666US7

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS (CONTINUED)			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JCS	26	Padlan, "Immunoglobulin fold", Encyclopedia of Immunology, Academic Press, Harcourt Brace Jovahovich, Publishers, pp. 827-833	
	27	Scopes, R.K., Chapter 3, Protein Purification, Principles and Practice, 2 nd Ed., pp. 41-54, Springer-Verlag, New York (1987)	
	28	Shcherban, T.Y. et al., "Molecular cloning and sequence analysis of expansins -- a highly conserved, multigene family of proteins that mediate cell wall extension in plants", Proc. Nat. Acad. Sci USA 92:9245-9249 (1995)	
	29	Sinnott, Botany Principles and Problems, 2 nd Ed., fifth impression, McGraww-Hil Book Co., Inc., New York and London 1929, p. 417 "The Spermatophyta".	
	30	Smith, et al., "MMolecular Characterization of Group I Allergens of Grass Pollen, Pollen Biot. Chapter 7, pp: 124-143	
	31	Staff, et al., "Cellular Localization of Water Soluble, Allergenic Proteins in Rye-Grass (Lolium perenne) Pollen using monoclonal and Specific IgE antibodies with immunogold probes", Histochemical J., Vol. 22:276-290 (1990)	
	32	Taiz, L. Proc. Natl. Acad. Sci. USA 91:7387-7389 (1994)	
	33	Taiz, L., Ann. Rev. Plant Physiol. 35:585-657 (1984)	
JCS	34	Wu, et al., "Growth maintenance of the maize primary root at low water potentials involves increases in cell-wall extension properties, expansin activity, and wall susceptibility to expansins", Plant Physiol. 111:765-772 (1996)	

Examiner Signature	T. Saidha	Date Considered	11/21/02
-----------------------	-----------	--------------------	----------

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.